

Message

From: Schmidt, Michelle [Michelle.Schmidt@tetrattech.com]
Sent: 12/7/2018 12:57:55 PM
To: Jon Butcher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usera6b9d251]; Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]
Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Miranda,

The main version of Deschutes River QUAL2Kw model used for the TMDL simulates conditions in August 2004 and the Raines dataset spans the early 1990s to mid-2000s. It is preferable to have data from 1990-present, but if that isn't possible then 2000-present should be sufficient. We could limit the data request to locations of the impairments, however, we may filter out data that would be useful for characterizing tributary boundary conditions for the Deschutes River QUAL2Kw model.

Thanks,

Michelle

Michelle Schmidt | Environmental Engineer
Direct: 919.485.2081 | Main: 919.485.8278 | Fax: 919.485.8280
michelle.schmidt@tetrattech.com

Tetra Tech | Complex World, Clear Solutions
P.O. Box 14409 | 1 Park Drive, Suite 200, Research Triangle Park, NC 27709 | www.tetrattech.com

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From: Butcher, Jon
Sent: Thursday, December 06, 2018 6:48 PM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>; Schmidt, Michelle <Michelle.Schmidt@tetrattech.com>
Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

We would be most interested in data that correspond to the existing QUAL2Kw modeling, Mary Raines sediment analyses, and the years corresponding to the assessment used for the latest approved 303(d) assessment period. Maybe 2005 – present? Michelle, please correct the dates if needed.

Jon Butcher

From: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Sent: Thursday, December 06, 2018 6:01 PM
To: Schmidt, Michelle <Michelle.Schmidt@tetrattech.com>; Butcher, Jon <Jon.Butcher@tetrattech.com>
Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Hi – I just spoke with Maryanne. She would like us to narrow the scope of our request since they have a really large volume of data dating back to 1975. I'm guessing you don't need data that old. How far back in time would it be useful to have data for?

I'm going to give her some info on the locations of the waterbody segments and parameters we are looking at.

Anything else you can think of that would help narrow the scope?

They have collected data for temperature, flow, turbidity and sediment.

Thanks,

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Hodgkiss, Miranda
Sent: Monday, December 3, 2018 8:36 AM
To: 'Schmidt, Michelle' <Michelle.Schmidt@tetrattech.com>; Jon Butcher <jon.butcher@tetrattech.com>
Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Ok, will do!

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Schmidt, Michelle <Michelle.Schmidt@tetrattech.com>
Sent: Saturday, December 1, 2018 4:40 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>; Jon Butcher <jon.butcher@tetrattech.com>
Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Miranda,

Please do follow up with Maryanne regarding the data collected through the stream temperature and turbidity studies. We would need to review the data Maryanne has in more detail to determine its applicability, but it would be worthwhile to do so.

Thanks,

Michelle

Michelle Schmidt | Environmental Engineer
Direct: 919.485.2081 | Main: 919.485.8278 | Fax: 919.485.8280
michelle.schmidt@tetrattech.com

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From: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>

Sent: Friday, November 30, 2018 5:24 PM

To: Schmidt, Michelle <Michelle.Schmidt@tetrattech.com>; Butcher, Jon <Jon.Butcher@tetrattech.com>

Subject: FW: Temperature and Sediment Data in the Deschutes Watershed

Hi Michelle and Jon,

Sorry I forgot to bring this up today. I had emailed Maryanne awhile back about those two studies referenced in my original email. Would you be able to use this data if I followed up with Maryanne?

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Reiter, Maryanne <maryanne.reiter@weyerhaeuser.com>

Sent: Wednesday, November 28, 2018 3:49 PM

To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>

Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Hello Miranda, sorry for the delay. Is there a time when we could discuss the data request over the phone? I have some questions about how it will be used. Thanks

From: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>

Sent: Thursday, November 08, 2018 8:23 AM

To: Reiter, Maryanne <maryanne.reiter@weyerhaeuser.com>

Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Hi Maryanne,

Thanks for looking into this! I appreciate it.

Miranda

From: Reiter, Maryanne <maryanne.reiter@weyerhaeuser.com>

Sent: Thursday, November 8, 2018 8:09 AM

To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>

Subject: RE: Temperature and Sediment Data in the Deschutes Watershed

Hello Miranda, thanks for contacting me about the Deschutes. We do have an incredibly rich dataset going back to 1975 for the Upper Deschutes. I will look into a data sharing agreement with the EPA for use in the TMDL modeling and get back to you.

Maryanne

Maryanne Reiter
Hydrologist, Weyerhaeuser NR Company
785 N 42nd St Springfield, OR 97478
(541) 988-7527

From: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Sent: Monday, November 05, 2018 5:26 PM
To: Reiter, Maryanne <maryanne.reiter@weyerhaeuser.com>
Subject: Temperature and Sediment Data in the Deschutes Watershed

Hi Maryanne,

My name is Miranda Hodgkiss, and I work in EPA Region 10's Seattle office. I am currently working on a Total Maximum Daily Load (TMDL) Project in the Deschutes River Watershed. I was speaking to Erica Marbet with the Squaxin Indian Tribe, and she shared your two studies with me. *Temporal and Spatial Turbidity Patterns over 30 Years in a Managed Forest of Western Washington* from 2009, and *Stream Temperature Patterns over 35 Years in a Managed Forest of Western Washington* from 2015. I hope to read through the papers in more detail soon, but just from glancing at them, it seems you have collected a large amount of temperature and sediment data in the watershed. I'm wondering if it is possible for you to share this data with us, as it would greatly improve our modeling efforts as we look at temperature and sediment impacts in the watershed. I'm happy to discuss the TMDL project more with you if you'd like, and answer any questions you may have.

Feel free to email me back or call me at 206-553-0692. I look forward to hearing from you.

Thanks,

Miranda